INDEX TO AUTHORS

ALLEN, EMMA G. See SIGEL, GIRARDI, and ALLEN, 401

ANSLOW, RALPH O. See CASALS, OLITSKY, and ANSLOW, 111, 123

ASHLEY, CHARLES A., PORTER, KEITH R., PHILPOTT, DELBERT E., and HASS, GEORGE M. Observations by electron microscopy on contraction of skeletal myofibrils induced with adenosinetriphosphate, 9

BALE, W. F. See MILLER, BLY, WATSON, and BALE, 431

BARRY, GUY T., and GOEBEL, WALTHER F. The effect of chemical and physical agents on the phage receptor of phase II *Shigella sonnei*, 387

BERRY, JOHN W. See WOOD, SMITH, PERRY, and BERRY, 521

BLY, C. G. See MILLER, BLY, WATSON, and BALE, 431

BOWMAN, WALTER M., MAYER, MANFRED M., and RAPP, HERBERT J. Kinetic studies on immune hemolysis. II. The reversibility of red cell–antibody combination and the resultant transfer of antibody from cell to cell during hemolysis, 87

CASALS, JORDI, OLITSKY, PETER K., and ANSLOW, RALPH O. Adaptation of a Lansing strain of poliomyelitis virus to newborn mice, 111

—, —, and —. A specific complement-fixation test for infection with poliomyelitis virus, 123

CASSELMAN, W. G. BRUCE. The *in vitro* preparation and histochemical properties of substances resembling ceroid, 549

CONTRERAS, GUILLERMO. See MELNICK, KAPLAN, ZABIN, CONTRERAS, and LARKUM, 471

DALLDORF, GILBERT. The sparing effect of Coxsackie virus infection on experimental poliomyelitis, 65

DAVIS, BERNARD D. Inhibition of *Escherichia coli* by *p*-aminobenzoic acid and its reversal by *p*-hydroxybenzoic acid, 243

DE ROBERTIS, E. See EPSTEIN, FONSECA, and DE ROBERTIS, 171

DILAPI, MARIE M. See HEIDELBERGER, MACLEOD, MARKOWITZ, and DILAPI, 359

DONG, LUTHER. See FABER, SILVERBERG, and DONG, 455

ELLIOTT, S. D. See SHEDLOVSKY and ELLIOTT, 363

EPSTEIN, B., FONSECA, N. M., and DE ROBERTIS, E. Electron microscope study of red cell membranes after experimental infection with the virus of foot-and-mouth disease, 171

FABER, HAROLD K., SILVERBERG, ROSALIE J., and DONG, LUTHER. Studies on entry and egress of poliomyelitic infection. IV. Atraumatic oral entry: distribution of lesions and virus during the incubation period: with notes on asymptomatic poliomyelitis, 455

FAVOUR, CUTTING B. See OSGOOD and FAVOUR, 415

FONSECA, N. M. See EPSTEIN, FONSECA, and DE ROBERTIS, 171

GAREN, ALAN, and PUCK, THEODORE T. The first two steps of the invasion of host cells by bacterial viruses. II, 177
GERMUTH, FREDERICK G., JR., OYAMA, JIRO, and OTTINGER, BARBARA. The mechanism of action of 17-hydroxy-11-dehydrocorticosterone (compound E) and of the adrenocorticotropic hormone in experimental hypersensitivity in rabbits, 139
GINSBERG, HAROLD S. Mechanism of production of pulmonary lesions in mice by Newcastle disease virus (NDV), 191
GIRARDI, ANTHONY J. See SIGEL, GIRARDI, and ALLEN, 401
GOEBEL, WALTHER F. See BARRY and GOEBEL, 387
GROW, KENNETH Q. See GERMUTH, OYAMA, and OTTINGER, 139

HASS, GEORGE M. See ASHLEY, PORTER, PHILPOTT, and HASS, 9
HEIDELBERGER, MICHAEL, MACLEOD, COLIN M., MARKOWITZ, HAROLD, and DILAPI, MARIE M. Absence of a prosthetic group in a type-specific polysaccharide of pneumococcus, 359
HENLE, WERNER, and LIU, OSCAR C. Studies on host-virus interactions in the chick embryo–influenza virus system. VI. Evidence for multiplicity reactivation of inactivated virus, 305
—. See LIU and HENLE, 269, 291

KAPLAN, ALBERT S. See MELNICK, KAPLAN, ZABIN, CONTRERAS, and LARKUM, 471
KRUSE, HEINZ. See MCMASTER and KRUSE, 323
KUNZ, LAWRENCE J. See PAPPENHEIMER, KUNZ, and RICHARDSON, 45
KURNICK, N. B. Cytochemical studies on the kidney. I. Role of cell multiplication in normal growth, 373

LARKUM, NEWTON W. See MELNICK, KAPLAN, ZABIN, CONTRERAS, and LARKUM, 471
LIU, OSCAR C., and HENLE, WERNER. Studies on host-virus interactions in the chick embryo–influenza virus system. IV. The role of inhibitors of hemagglutination in the evaluation of viral multiplication, 269
— and —. V. Simultaneous serial passage of the agents of influenza A and B in relation to variations in the growth cycle of influenza B virus, 291
—. See HENLE and LIU, 305
LODGE, ANNE L. See TAGER and LODGE, 73

MACLEOD, COLIN M. See HEIDELBERGER, MACLEOD, MARKOWITZ, and DILAPI, 359
MAGILL, THOMAS P. The sorption of influenza virus by chicken erythrocytes, 31
MARKOWITZ, HAROLD. See HEIDELBERGER, MACLEOD, MARKOWITZ, and DILAPI, 359
MARSHALL, JOHN M., JR. Localization of adrenocorticotropic hormone by histochemical and immunochemical methods, 21
MAYER, MANFRED M. See BOWMAN, MAYER, and RAPP, 87
MCMASTER, PHILIP D., and KRUSE, HEINZ. The persistence in mice of certain foreign proteins and azoprotein tracer-antigens derived from them, 323
MELNICK, JOSEPH L., KAPLAN, ALBERT S., ZABIN, EVA, CONTRERAS, GUILLERMO, and LARKUM, NEWTON W. An epidemic of paralytic poliomyelitis characterized by dual infections with poliomyelitis and Coxsackie viruses, 471
MILLER, L. L., BLY, C. G., WATSON,

M. L., and BALE, W. F. The dominant role of the liver in plasma protein synthesis. A direct study of the isolated perfused rat liver with the aid of lysine-ε-C^{14}, 431

NELSON, JOHN B. Studies on endemic pneumonia of the albino rat. IV. Development of a rat colony free from respiratory infections, 377

OLITSKY, PETER K. See CASALS, OLITSKY, and ANSLOW, 111, 123

OSGOOD, CHARLES K., and FAVOUR, CUTTING B. The effect of adrenocorticotropic hormone on inflammation due to tuberculin hypersensitivity and turpentine and on circulating antibody levels, 415

OTTINGER, BARBARA. See GERMUTH, OYAMA, and OTTINGER, 139

OYAMA, JIRO. See GERMUTH, OYAMA, and OTTINGER, 139

PALADE, G. E. Intracellular localization of acid phosphatase. A comparative study of biochemical and histochemical methods, 535

PAPPENHEIMER, ALWIN M., KUNZ, LAWRENCE J., and RICHARDSON, SHEILA. Passage of Coxsackie virus (Connecticut-5 strain) in adult mice with production of pancreatic disease, 45

PERRY, WILLIAM D. See WOOD, SMITH, PERRY, and BERRY, 521

PHILPOTT, DELBERT E. See ASHLEY, PORTER, PHILPOTT, and HASS, 9

PORTER, KEITH R. See ASHLEY, PORTER, PHILPOTT, and HASS, 9

—. See VANAMEE and PORTER, 255

PUCK, THEODORE T. See GAREN and PUCK, 177

RAPP, HERBERT J. See BOWMAN, MAYER, and RAPP, 87

RICHARDSON, SHEILA. See PAPPENHEIMER, KUNZ, and RICHARDSON, 45

ROBSCHEIT-ROBBINS, F. S. See WHIPPLE and ROBSCHEIT-ROBBINS, 223

ROSS, RODERICK C. See SKORYNA, ROSS, and RUDIS, 1

RUDIS, L. A. See SKORYNA, ROSS, and RUDIS, 1

SCHMIDT, L. H., and SQUIRES, WANDA L. The influence of cortisone on primate malaria, 501

SHEDLOVSKY, THEODORE, and ELLIOTT, S. D. An electrophoretic study of a streptococcal proteinase and its precursor, 363

SIGEL, M. MICHAEL, GIRARDI, ANTHONY J., and ALLEN, EMMA G. Studies on the psittacosis-lymphogranuloma group. I. The pattern of multiplication of meningopneumonitis virus in the allantois of the chick embryo, 401

SILVERBERG, ROSALIE J. See FABER, SILVERBERG, and DONG, 455

SKORYNA, STANLEY C., ROSS, RODERICK C., and RUDIS, L. A. Histogenesis of sebaceous gland carcinomas produced in rats by 2-acetylaminofluorene, 1

SMITH, MARY RUTH. See WOOD, SMITH, PERRY, and BERRY, 521

SQUIRES, WANDA L. See SCHMIDT and SQUIRES, 501

STETSON, CHANDLER A., JR. The occurrence of leucocyte-platelet thrombosis in rheumatic carditis, 493

—. Similarities in the mechanisms determining the Arthus and Shwartzman phenomena, 347 493

TAGER, MORRIS, and LODGE, ANNE L. Influence of the physiological blood clotting process on the coagulation of blood by staphylocoagulase, 73

VANAMEE, PARKER, and PORTER, KEITH R. Observations with the electron microscope on the solvation and reconstitution of collagen, 255

WATSON, M. L. See MILLER, BLY, WATSON, and BALE, 431

WHIPPLE, G. H., and ROBSCHEIT-ROBBINS, F. S. Anemia plus hypoproteinemia in dogs. Various proteins in diet show various patterns in blood protein production, 223

WIENER, ALEXANDER S. The half-life of passively acquired antibody globulin molecules in infants, 213

WOOD, W. BARRY, JR., SMITH, MARY RUTH, PERRY, WILLIAM D., and BERRY, JOHN W. Studies on the cellular immunology of acute bacteriemia. I. Intravascular leucocytic reaction and surface phagocytosis, 521

ZABIN, EVA. See MELNICK, KAPLAN, ZABIN, CONTRERAS, and LARKUM, 471

INDEX TO SUBJECTS

ACETYLAMINOFLUORENE, 2-, histogenesis of sebaceous gland carcinomas produced by, 1

Acid, *p*-aminobenzoic, and its reversal by *p*-hydroxybenzoic acid, inhibition of *Escherichia coli* by, 243

—, *p*-hydroxybenzoic, reversal of *p*-aminobenzoic acid by, in inhibition of *Escherichia coli*, 243

— phosphatase, intracellular localization in comparative study of biochemical and histochemical methods, 535

ACTH. *See* Adrenocorticotropic hormone.

Adaptation of Lansing strain of poliomyelitis virus to newborn mice, 111

Adenosinetriphosphate, contraction of skeletal myofibrils induced by, observed by electron microscopy, 9

Adrenocorticotropic hormone, effect on inflammation due to tuberculin hypersensitivity and turpentine and on circulating antibody levels, 415

— hormone and 17-hydroxy-11-dehydrocorticosterone, mechanism of action in hypersensitivity, 139

— hormone, localization by histochemical and immunochemical methods, 21

Albumin, lact-, beef muscle, egg, fibrin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223

Allantois of chick embryo, pattern of multiplication of meningopneumonitis virus, in psittacosis-lymphogranuloma group, 401

Aminobenzoic acid, *p*-, and its reversal by *p*-hydroxybenzoic acid, inhibition of *Escherichia coli* by, 243

Aminofluorene, 2-acetyl-, histogenesis of sebaceous gland carcinomas produced by, 1

Anemia plus hypoproteinemia with various proteins in diet showing various patterns in blood protein production, 223

Antibody globulin molecules passively acquired, half-life of, 213

— levels, circulating, and inflammation due to tuberculin hypersensitivity, and turpentine, effect of adrenocorticotropic hormone on, 415

Antibody–red cell combination, reversibility and resultant transfer of antibody from cell to cell during hemolysis, 87

Antigens, tracer-, azoprotein, derived from foreign proteins, persistence of both, 323

Arthus and Shwartzman phenomena, similarities in mechanisms determining, 347

Atraumatic oral entry of poliomyelitic infection, distribution of lesions and virus during incubation period, 455

Azoprotein tracer-antigens derived from foreign proteins, persistence of both, 323

BACTERIAL viruses, invasion of host cells by, first two steps, 177

Bacteriemia, acute, cellular immunology of, intravascular leucocytic

reaction and surface phagocytosis, 521
Bacteriophage receptor of phase II *Shigella sonnei*, effect of chemical and physical agents on, 387
Beef muscle, egg, lactalbumin, fibrin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223
Benzoic acid, *p*-amino-, and its reversal by *p*-hydroxybenzoic acid, inhibition of *Escherichia coli* by, 243
— acid, *p*-hydroxy-, reversal of *p*-aminobenzoic acid by, in inhibition of *Escherichia coli*, 243
Biochemical and histochemical methods, comparative study, in intracellular localization of acid phosphatase, 535
Blood cell, red. *See* Erythrocyte.
— clotting process, physiological, influence on coagulation of blood by staphylocoagulase, 73
— protein production, various patterns shown by various proteins in diet, in anemia plus hypoproteinemia, 223
— vessels, leucocytic reaction and surface phagocytosis within, in cellular immunology of acute bacteriemia, 521

CARBON, radioactive, lysine-ε-, in study of isolated perfused liver, 431
Carcinomas, sebaceous gland, produced by 2-acetylaminofluorene, histogenesis, 1
Carditis, rheumatic, leucocyte-platelet thrombosis in, 493
Cell, intracellular localization of acid phosphatase in comparative study of biochemical and histochemical methods, 535
— multiplication in normal growth, in cytochemical studies on kidney, 373
—, red blood. *See* Erythrocyte.
Cells, host, invasion by bacterial viruses, first two steps, 177
Cellular immunology of acute bacteriemia, intravascular leucocytic reaction and surface phagocytosis, 521
Ceroid, *in vitro* preparation and histochemical properties of substances resembling, 549
Chemical and physical agents, effect on phage receptor of phase II *Shigella sonnei*, 387
Chemistry, cell, studies on kidney and role of cell multiplication normal growth, 373
—, histo-, and biochemistry, methods used in comparative study of intracellular localization of acid phosphatase, 535
—, histo-, properties, and *in vitro* preparation of substances resembling ceroid, 549
—, immuno- and histo-, in localization of adrenocorticotropic hormone, 21
Circulating antibody levels and inflammation due to tuberculin hypersensitivity and turpentine, effect of adrenocorticotropic hormone on, 415
Coagulase, staphylo-, influence of physiological blood clotting process on coagulation of blood by, 73
Coagulation of blood by staphylocoagulase, influence of physiological blood clotting process on, 73
Collagen, solvation and reconstitution, observed with electron microscope, 255
Complement-fixation test, specific, for infection with poliomyelitis virus, 123
Corticosterone, 17-hydroxy-, 11-dehydro-, and adrenocorticotropic hormone, mechanism of action of hypersensitivity, 139
Cortisone, influence on primate malaria, 501
Coxsackie and poliomyelitis viruses,

epidemic of paralytic poliomyelitis characterized by, 471
Coxsackie virus, Connecticut-5, strain, passage in adult mice with production of pancreatic disease, 45
— virus infection, sparing effect on experimental poliomyelitis, 65
Cytochemical studies on kidney and role of cell multiplication in normal growth, 373

DIET, various proteins in, showing various patterns in blood protein production in anemia plus hypoproteinemia, 223
Disease, foot-and-mouth, virus, electron microscope study of red cell membranes after infection with, 171
—, pancreatic, produced in adult mice after passage of Coxsackie virus, Connecticut-5 strain, 45
— virus, Newcastle, mechanism of production of pulmonary lesions by, 191

EGG, beef muscle, lactalbumin, fibrin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223
Electron microscope, observations on solvation and reconstitution of collagen, 255
— microscope study of red cell membranes after infection with virus of foot-and-mouth disease, 171
— microscopy observations on contraction of skeletal myofibrils induced with adenosinetriphosphate, 9
Electrophoretic study of streptococcal proteinase and its precursor, 363
Embryo, chick, and influenza virus, host-virus interactions, 269, 291, 305
Embryo, chick, pattern of multiplication of meningopneumonitis virus in allantois of, in psittacosis-lymphogranuloma group, 401
Endemic pneumonia of albino rat, development of colony free from respiratory infections, 377
Epidemic of paralytic poliomyelitis characterized by infections with poliomyelitis and Coxsackie viruses, 471
Erythrocyte membranes after infection with virus of foot-and-mouth disease, electron microscope study, 171
Erythrocyte-antibody combination, reversibility and resultant transfer of antibody from cell to cell during hemolysis, 87
Erythrocytes, chicken, sorption of influenza virus by, 31
Escherichia coli, inhibition by *p*-aminobenzoic acid and its reversal by *p*-hydroxybenzoic acid, 243

FIBRIN, beef muscle, egg, lactalbumin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223
Fixation, complement. *See* Complement.
Fluorene, 2-acetylamino-, histogenesis of sebaceous gland carcinomas produced by, 1
Foot-and-mouth disease virus, electron microscope study of red cell membranes after infection with, 171

GLOBULIN molecules, antibody, passively acquired, half-life, 213
Growth, normal, in cell multiplication and cytochemical studies on kidney, 373

HEMAGGLUTINATION, role of inhibitors in evaluation of multi-

plication of influenza virus in chick embryo, 269
Hemolysis, immune, kinetic studies, 87
—, transfer of antibody from cell to cell during, in reversibility of red cell–antibody combination, 87
Histochemical and biochemical methods, comparative study, in intracellular localization of acid phosphatase, 535
— and immunochemical methods in localization of adrenocorticotropic hormone, 21
— properties and *in vitro* preparation of substances resembling ceroid, 549
Histogenesis of sebaceous gland carcinomas produced by 2-acetylaminofluorene, 1
Hormone, adrenocorticotropic, effect on inflammation due to tuberculin hypersensitivity and turpentine and on circulating antibody levels, 415
—, adrenocorticotropic, and 17-hydroxy - 11 - dehydrocorticosterone, mechanism of action in hypersensitivity, 139
—, adrenocorticotropic, localization by histochemical and immunochemical methods, 21
Host cells, invasion by bacterial viruses, first two steps, 177
Host-virus interactions in chick embryo–influenza virus system, 269, 291, 305
Hydroxybenzoic acid, *p*-, reversal of *p*-aminobenzoic acid by, inhibition of *Escherichia coli*, 243
Hydroxy - 11 - dehydrocorticosterone, 17-, and adrenocorticotropic hormone, mechanism of action in hypersensitivity, 139
Hypersensitivity, mechanism of action of 17-hydroxy-11-dehydrocorticosterone and adrenocorticotropic hormone in, 139
—, tuberculin, and turpentine, effect of adrenocorticotropic hormone on circulating antibody levels and on inflammation due to, 415
Hypoproteinemia and anemia with various proteins in diet showing various patterns in blood protein production, 223

IMMUNE hemolysis, kinetic studies, 87
Immunochemical and histochemical methods in localization of adrenocorticotropic hormone, 21
Immunology, cellular, of acute bacteriemia, intravascular leucocytic reaction and surface phagocytosis, 521
Incubation period, distribution of lesions and virus of poliomyelitic infection, atraumatic oral entry, 455
Inflammation due to tuberculin hypersensitivity and turpentine, effect of adrenocorticotropic hormone on circulating antibody levels and on, 415
Influenza A and B, simultaneous serial passage of agents of, in relation to variations in growth cycle of influenza B virus, 291
— virus and chick embryo, host-virus interactions, 269, 291, 305
— virus, sorption by chicken erythrocytes, 31

KIDNEY, cytochemical studies on, and role of cell multiplication in normal growth, 373
Kinetic studies on immune hemolysis, 87

LACTALBUMIN, beef muscle, egg, fibrin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223
Lesions, pulmonary, mechanism of production by Newcastle disease virus, 191
— and virus, distribution during in-

cubation period in poliomyelitic infection, and atraumatic oral entry, 455
Leucocyte-platelet thrombosis in rheumatic carditis, 493
Leucocytic reaction, intravascular, and surface phagocytosis, in cellular immunology of acute bacteriemia, 521
Liver in plasma protein synthesis, dominant role, 431
—, isolated perfused, studied with aid of lysine-ε-C^{14}, 431
Lymphogranuloma-psittacosis group, pattern of multiplication of meningopneumonitis virus in allantois of chick embryo, 401
Lysine-ε-C^{14} used in study of isolated perfused liver, 431

MALARIA, primate, influence of cortisone on, 501
Membranes, red cell, after infection with virus of foot-and-mouth disease, electron microscope study, 171
Meningopneumonitis virus, pattern of multiplication in allantois of chick embryo in psittacosis-lymphogranuloma group, 401
Microscope, electron, observations on solvation and reconstitution of collagen, 255
—, electron, study of red cell membranes after infection with virus of foot-and-mouth disease, 171
Microscopy, electron, observations on contraction of skeletal myofibrils induced with adenosinetriphosphate, 9
Molecules, antibody globulin, passively acquired, half-life, 213
Mouth entry, atraumatic, of poliomyelitic infection, and distribution of lesions and virus during incubation period, 455
Muscle, beef, egg, lactalbumin, fibrin, viscera, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223
Myofibrils, skeletal, contraction induced with adenosinetriphosphate, observed by electron microscopy, 9

NEWCASTLE disease virus, mechanism of production of pulmonary lesions by, 191

PANCREATIC disease, produced in adult mice after passage of of Coxsackie virus, Connecticut-5 strain, 45
Paralytic poliomyelitis, epidemic, characterized by infections with poliomyelitis and Coxsackie viruses, 471
Perfused isolated liver, studies with aid of lysine-ε-C^{14}, 431
Phage. *See* Bacteriophage.
Phagocytosis, surface, and intravascular leucocytic reaction, in cellular immunology of acute bacteriemia, 521
Phosphatase, acid, intracellular localization in comparative study of biochemical and histochemical methods, 535
Physical and chemical agents, effect on phage receptor of phase II *Shigella sonnei*, 387
Physiological blood clotting process, influence on coagulation of blood by staphylocoagulase, 73
Plasma protein synthesis, dominant role of liver in, 431
Platelet, leucocyte-, thrombosis in rheumatic carditis, 493
Pneumococcus, type-specific polysaccharide of, absence of prosthetic group in, 359
Pneumonia, endemic, of albino rat, development of colony free from respiratory infections, 377
Pneumonitis virus, meningo-, pattern of multiplication in allantois of chick embryo in psittacosis-lymphogranuloma group, 401

Poliomyelitic infection, atraumatic oral entry and distribution of lesions and virus during incubation period, 455
Poliomyelitis, asymptomatic, atraumatic oral entry and distribution of lesions and virus during incubation period, 455
—, experimental, sparing effect of Coxsackie virus infection on, 65
—, paralytic, epidemic, characterized by infections with poliomyelitis and Coxsackie viruses, 471
— virus, Lansing strain, adaptation to newborn mice, 111
— virus, specific complement-fixation test for infection with, 123
Polysaccharide of pneumococcus, type-specific, absence of prosthetic group in, 359
Protein, azo-, tracer-antigens derived from foreign proteins, persistence of both, 323
—, plasma, synthesis, dominant role of liver in, 431
Proteinase, streptococcal, and its precursor, electrophoretic study, 363
Proteinemia, hypo-, and anemia with various proteins in diet showing various patterns in blood protein production, 223
Proteins, foreign, and azoprotein tracer-antigens derived from them, persistence, 323
— in diet showing various patterns in blood protein production in anemia plus hypoproteinemia, 223
Psittacosis-lymphogranuloma group, pattern of multiplication of meningopneumonitis virus in allantois of chick embryo, 401
Pulmonary lesions, mechanism of production by Newcastle disease virus, 191

RADIOACTIVE carbon, lysine-ϵ-, in study of isolated perfused liver, 431
Rat colony free from respiratory infections, development, and endemic pneumonia of albino rat, 377
Receptor, phage, of phase II *Shigella sonnei*, effect of chemical and physical agents on, 387
Respiratory infections, development of rat colony free from, in studies on endemic pneumonia of albino rat, 377
Rheumatic carditis, leucocyte-platelet thrombosis in, 493

SEBACEOUS gland carcinomas produced by 2-acetylaminofluorene, histogenesis, 1
Shigella sonnei, phase II, effect of chemical and physical agents on phage receptor, 387
Shwartzman and Arthus phenomena, similarities in mechanisms determining, 347
Skeletal myofibrils, contraction with adenosinetriphosphate observed by electron microscopy, 9
Solvation and reconstitution of collagen observed with electron microscope, 255
Sorption of influenza virus by chicken erythrocytes, 31
Specific, type-, polysaccharide of pneumococcus, absence of prosthetic group in, 359
Staphylocoagulase, influence of physiological blood clotting process on coagulation of blood by, 73
Sterone, 17-hydroxy-, 11-dehydrocortico-, and adrenocorticotropic hormone, mechanism of action in hypersensitivity, 139
Streptococcal proteinase and its precursor, electrophoretic study, 363

THROMBOSIS, leucocyte-platelet, in rheumatic carditis, 493
Tracer-antigens, azoprotein derived from foreign proteins, persistence of, 323
Transference of antibody from cell to cell during hemolysis in reversi-

bility of red cell–antibody combination, 87
Triphosphate, adenosine-, contraction of skeletal myofibrils induced by, observed by electron microscopy, 9
Tuberculin hypersensitivity and turpentine, effect of adrenocorticotropic hormone on circulating antibody levels and on, inflammation due to, 415
Turpentine and tuberculin hypersensitivity, effect of adrenocorticotropic hormone on circulating antibody levels and on inflammation due to, 415

VIRUS, Coxsackie, Connecticut-5 strain, passage in adult mice with production of pancreatic disease, 45
—, Coxsackie, infection, sparing effect on experimental poliomyelitis, 65
—, inactivated, multiplicity reactivation of, in host-virus interactions in chick embryo–influenza virus system, 305
—, influenza, and chick embryo, host–virus interactions, 269, 291, 305
—, influenza, sorption by chicken erythrocytes, 31
— and lesions, distribution during incubation period in poliomyelitic infection, atraumatic oral entry, 455
Virus, meningopneumonitis, pattern of multiplication in allantois of chick embryo, in psittacosis-lymphogranuloma group, 401
—, Newcastle disease, mechanism of production of pulmonary lesions by, 191
— of foot-and-mouth disease, electron microscope study of red cell membranes after infection with, 171
— poliomyelitis, Lansing strain, adaptation to newborn mice, 111
—, poliomyelitis, specific complement-fixation test for infection with, 123
Viruses, bacterial, invasion of host cells by, first two steps, 177
—, poliomyelitis and Coxsackie, epidemic of paralytic poliomyelitis characterized by infections with, 471
Virus-host interactions in chick embryo–influenza virus system, 269, 291, 305
Viscera, beef muscle, egg, lactalbumin, fibrin, and supplements in anemia plus hypoproteinemia, showing patterns in blood protein production, 223